

ABOVE ALL

Formerly Known as ABBLighting

Human Centric Lighting LED HCP APP Instruction Sheet V1.1

Welcome to the Wi-Fi controller instruction manual.

This instruction is suitable for LED Human Centric Troffer, Troffer Retrofit Kit and Panel which have the HCP Wi-Fi controller.

Note: All the fixtures in one zone should have a wall switch

CONTENT

1. Download & Installation	2
1.1 Upload APK to SD Card	2
1.2 APK Installation	2
1.3 Link Tablet to Wi-Fi LED Controller	2
2. Wi-Fi LED Controller Management	3
2.1 Search New Wi-Fi LED Controller	3
2.2 Add new Wi-Fi LED Controller to list	4
2.3 Delete un-used Wi-Fi LED Controller from list	5
2.4 Rename Wi-Fi LED Controller	5
2.5 Matching the HCP fixture to Wi-Fi LED Controller	6
2.6 Un-matching the HCP fixture	7
2.7 Clear setting of the HCP fixture	8
3. Control Modes	8
3.1 Introduction	8
3.2 Custom Scene Mode	9
3.2.1 Custom Scene Control	10
3.2.2 Set Custom Scene	10
3.3 Remote Controller Mode	10
4. HCP Wi-Fi Specifications and Diagram	12
5. Tips	13

1. Download & Installation

1.1 Upload APK to SD Card

1.2 APK Installation

For Step 1.1 and 1.2, we have already included the APK on the Android tablet before shipping the Wi-Fi controller and tablets.

1.3 Link Tablet to Wi-Fi LED Controller

Please connect Wi-Fi controller with power adapter (DC5V/1A) with USB wire.

**MAKE SURE THE “PWR” LED INDICATOR ON THE
CONTROLLER IS ON AND THERE IS NO METAL BOX OR COVER
AROUND THE WI-FI CONTROLLER AND NO
OBSTACLE BETWEEN THE WI-FI CONTROLLER AND HCP FIX-
TURES.**

For the specifications and diagram of the Wi-Fi, please refer to Step 4 at the end of the manual sheet.

Each room only has one Wi-Fi controller.

Open the Wi-Fi on the tablet from “Settings”:



The name of the Wi-Fi controller is HCP-XXXXXXXXXXXXXX

The password is “healthylife”

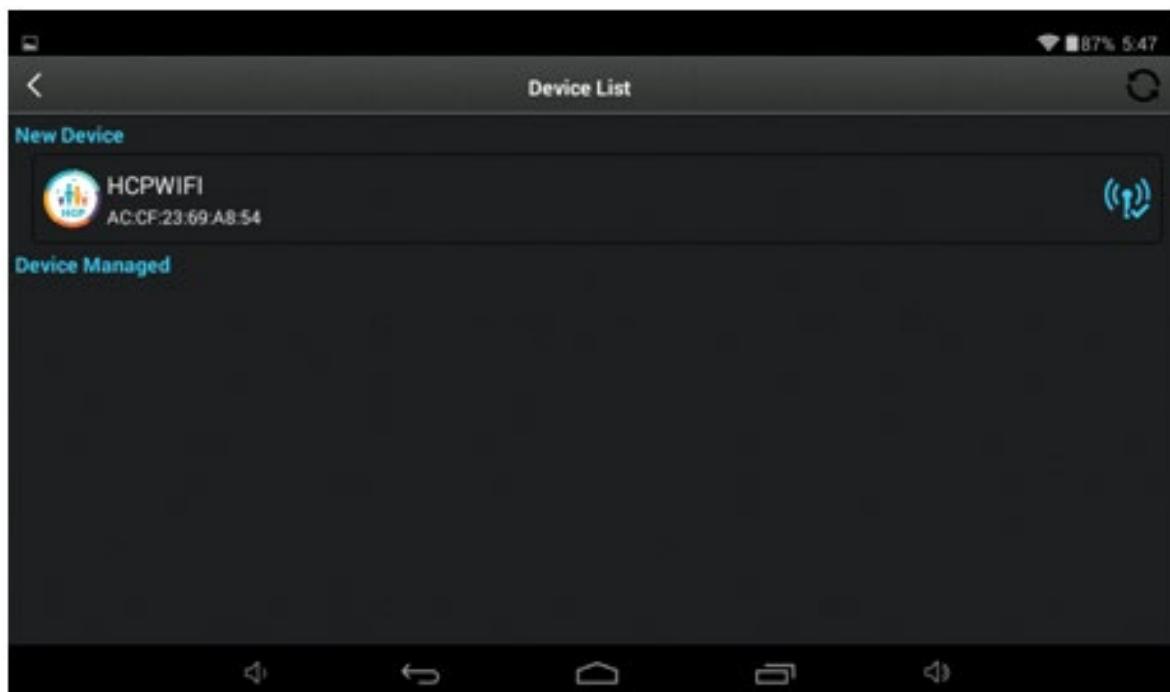
2.Wi-Fi LED Controller Management

2.1 Search New Wi-Fi LED Controller

The APP will search for linked Wi-Fi LED controllers automatically. Any devices found will be shown in the list. If there is not an HCP WIFI shown on the list, please click the refresh button.

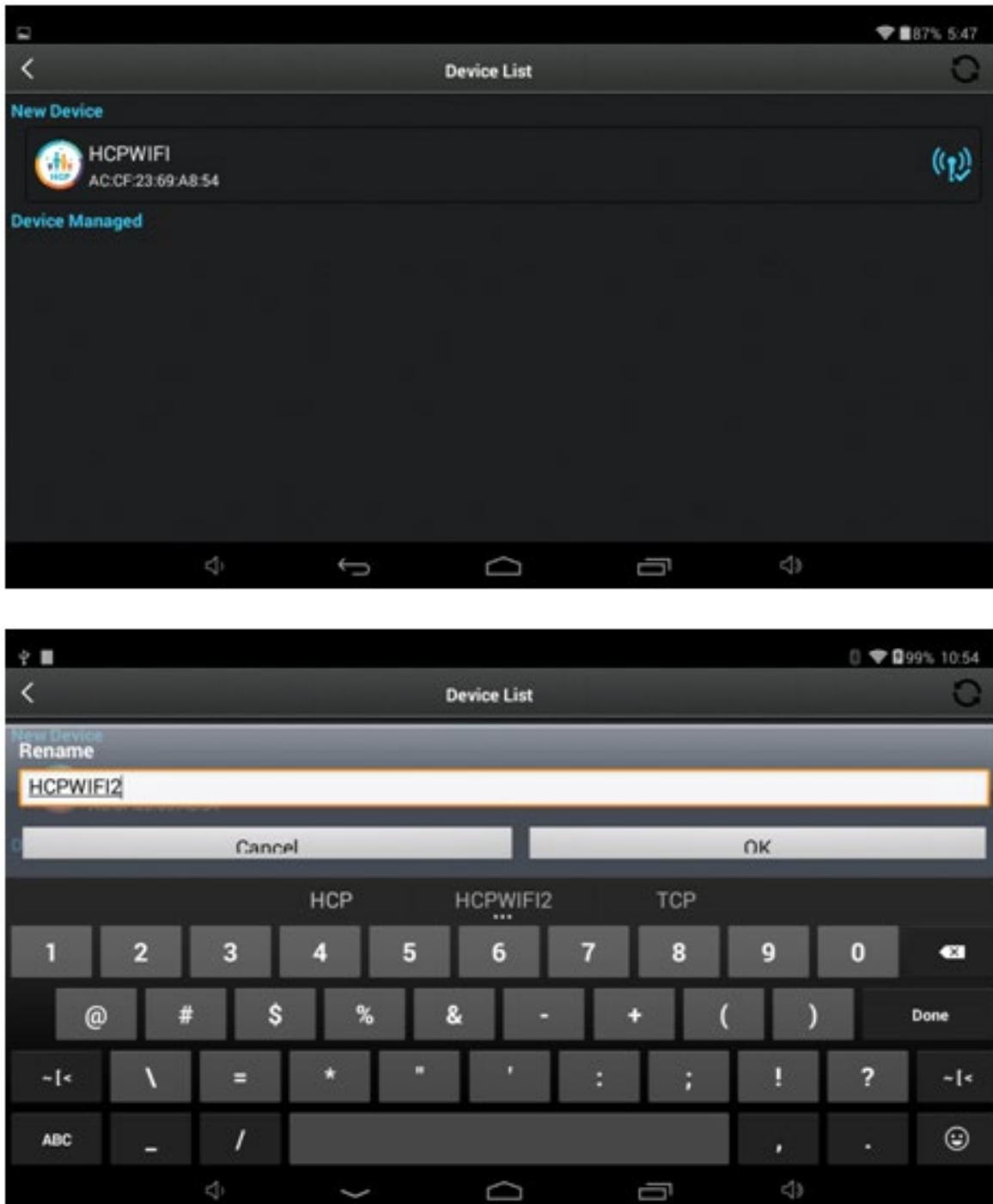
Tips:

Make sure that the Wi-Fi on your tablet is on and is linked to HCP-xxxxxxxxxx.



2.2 Add new Wi-Fi LED Controller to list

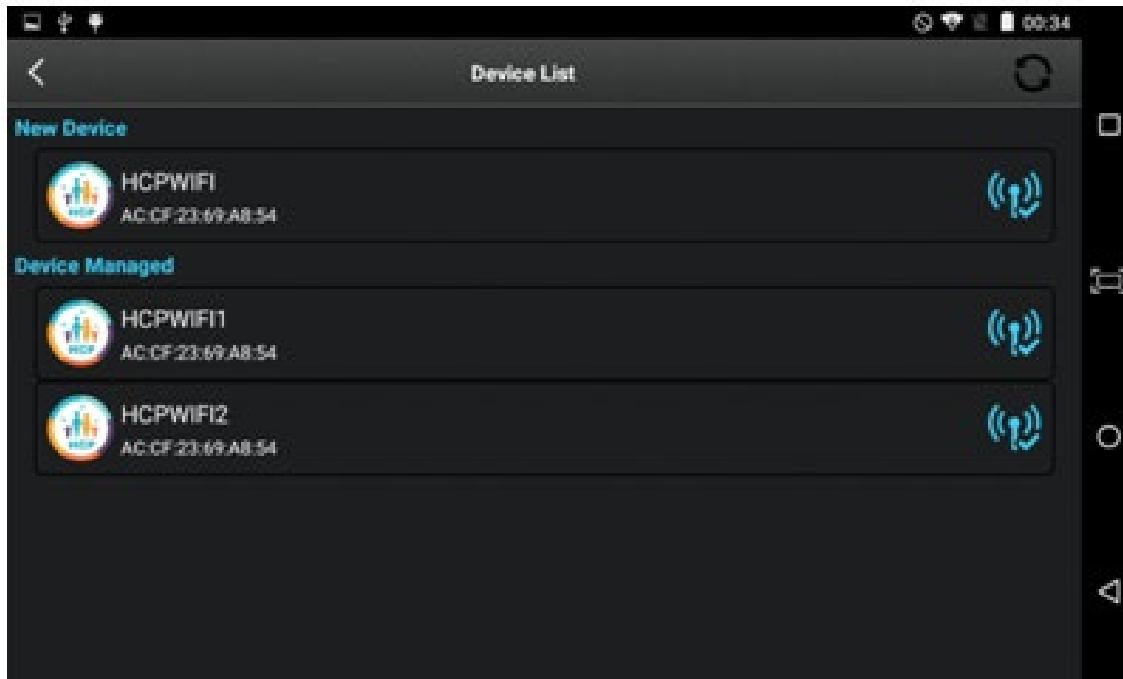
Click HCPWIFI to name the Wi-Fi controller.



Tips: It would be good to rename "HCPWIFI" to "HCPWIFI FOR ROOM XXX" or something similar.

2.3 Delete un-used Wi-Fi LED Controller from list

If you want to delete any unused devices on the list, press and hold each device name.



2.4 Rename Wi-Fi LED Controller

You can rename the Wi-Fi under the “Information” interface if needed.

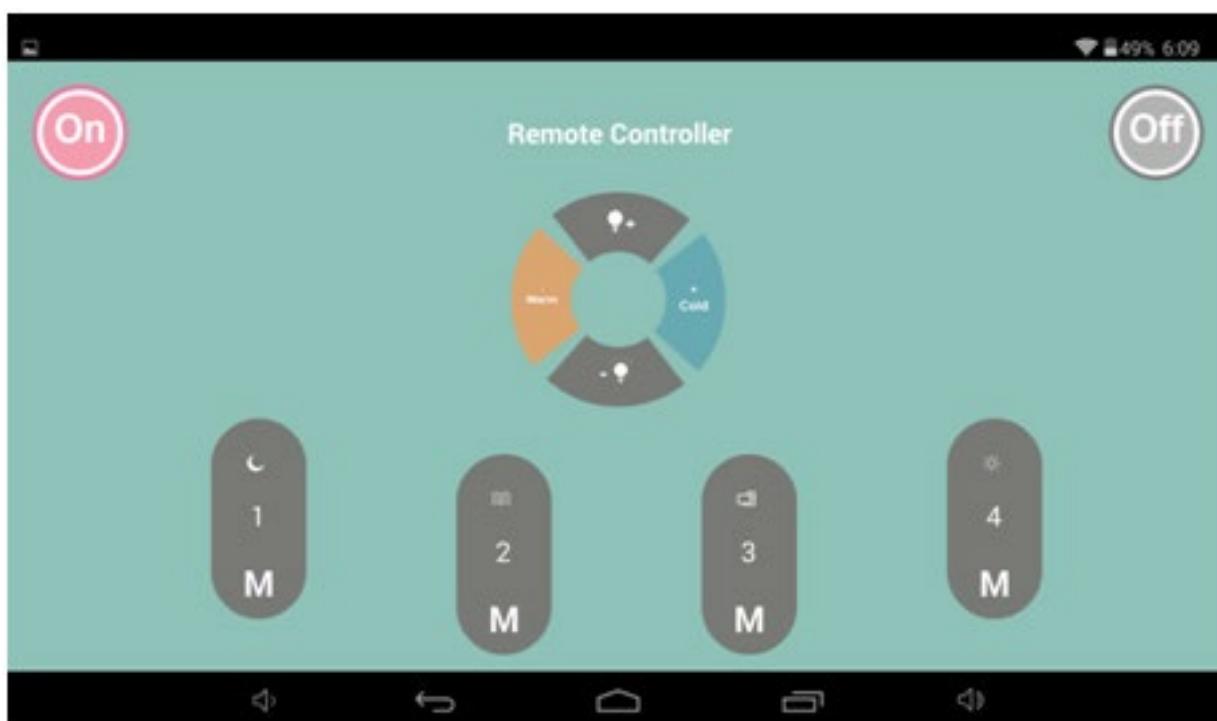
Tips: It might be good to rename “HCPWIFI” to “HCPWIFI FOR ROOM XXX” or something similar



2.5 Matching the HCP fixture to Wi-Fi LED Controller

To match the HCP fixtures in the room to the HCP Wi-Fi controller, complete the following:

1. HCP fixtures are NOT linked to the Wi-Fi LED controller by default. You should match the HCP fixture to Wi-Fi LED controller before use. Then, open the “Remote Controller” interface.
2. Switch off the main power supply of the HCP fixtures in the room by the wall switch.
3. Please wait 10 seconds. Then, turn on the main power supply while holding “On” at the same time, for more than 2 seconds.
4. The HCP fixture will blink three times when done pairing.
5. Please click “Off” and then click “On” to test that the fixtures have been matched to the HCP Wi-Fi.



2.6 Un-matching the HCP fixture

If you want to un-match this room's HCP fixtures from the HCP Wi-Fi, complete the following:

1. Open the "Remote Controller" interface.
2. Switch off the main power supply of the HCP fixtures by the wall switch.
3. Please wait 10 seconds. Then, turn on the main power supply while holding "On" at the same time, for more than 2 seconds.
4. The HCP will blink six times once complete.



2.7 Clear setting of the HCP fixture

If you want to clear the memorized setting of HCP fixtures from the HCP APP, complete the following:

1. Open the “Remote Controller” interface.
2. Switch off the main power supply of the HCP fixtures by wall switch.
3. Please wait 10 seconds. Then, turn on the main power supply by wall switch while holding “Off” at the same time, for more than 2 seconds.
4. The HCP will blink six times once completed.

Note: After all clearance, the remote controller should be also reset according to the remote controller manual sheet if you also need the remote controller

3. Control Modes

3.1 Introduction

1. There are ten modes on the HCP APP. Each control mode works separately from the others.

Each mode uses the “On and “Off” buttons to control the fixtures.

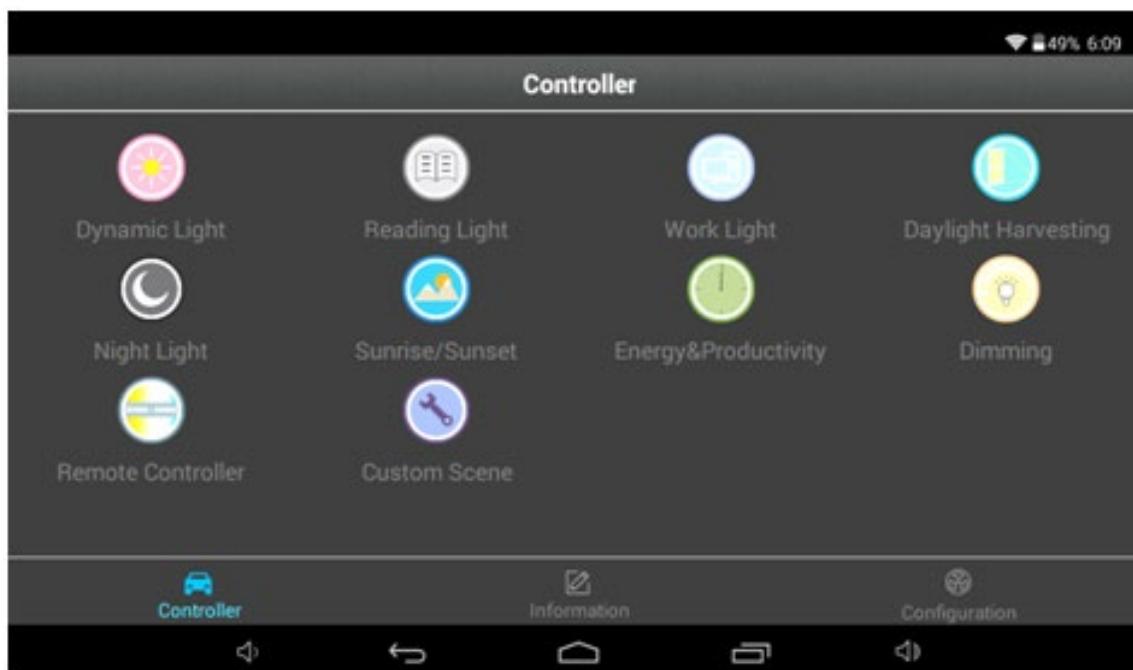




2. Make sure the Wi-Fi LED controller and HCP fixtures are matched appropriately before using any of the control modes.

If any fixtures are not matched properly, please repeat Step 2.5.

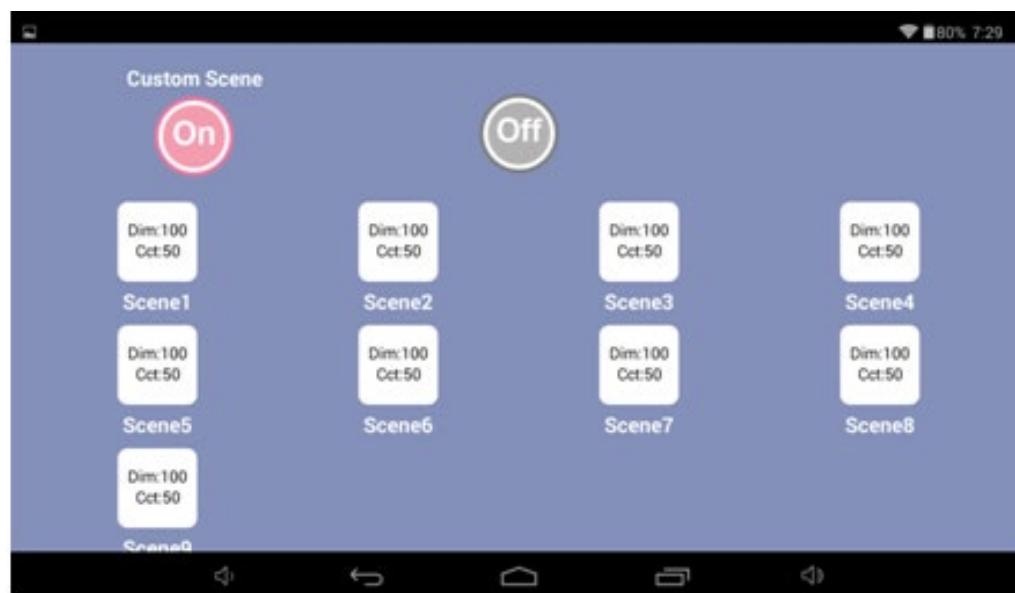
3. **Please be aware** that you need to keep any of the interfaces open if you want to continue using that specific control mode.



3.2 Custom Scene Mode

3.2.1 Custom Scene Control

The “Custom Scene” mode will help you make different scenes for different applications.

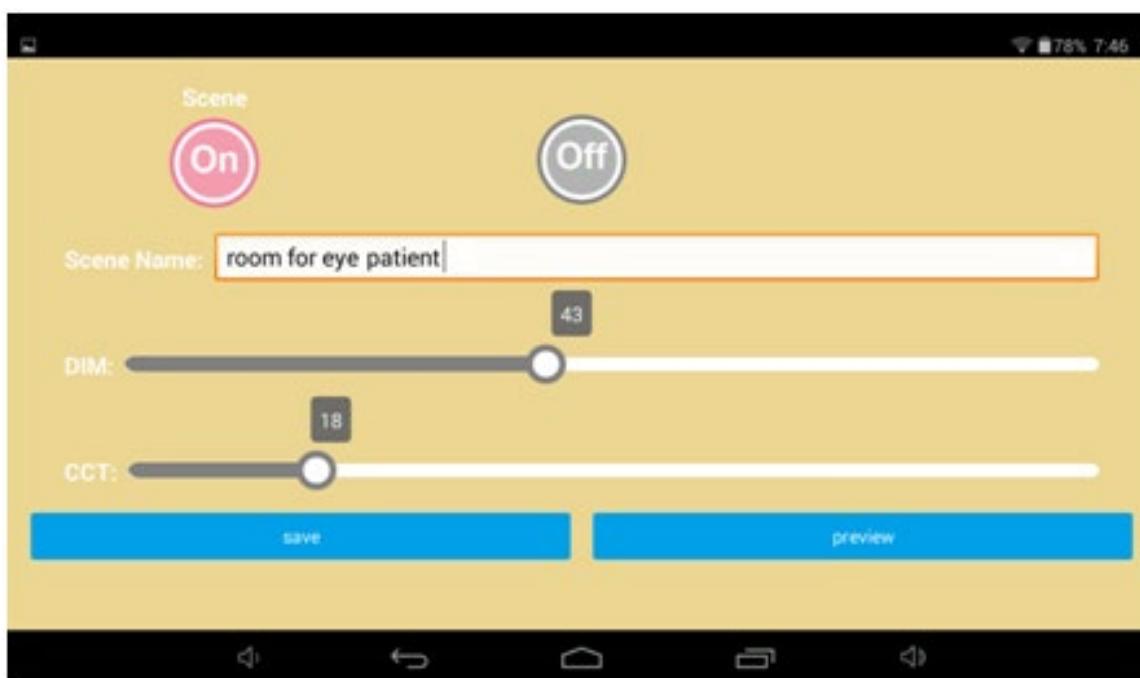


3.2.2 Set Custom Scene

Press and hold the scene button that you would like to use, and then enter the setting interface.

You can set the name of the scene, dim the brightness and CCT (Kelvin) by moving the sliders, and save what you set. You can save up to nine different scenes for different requirements of the room.

Please stay on this interface to continue using the Custom Scene Mode



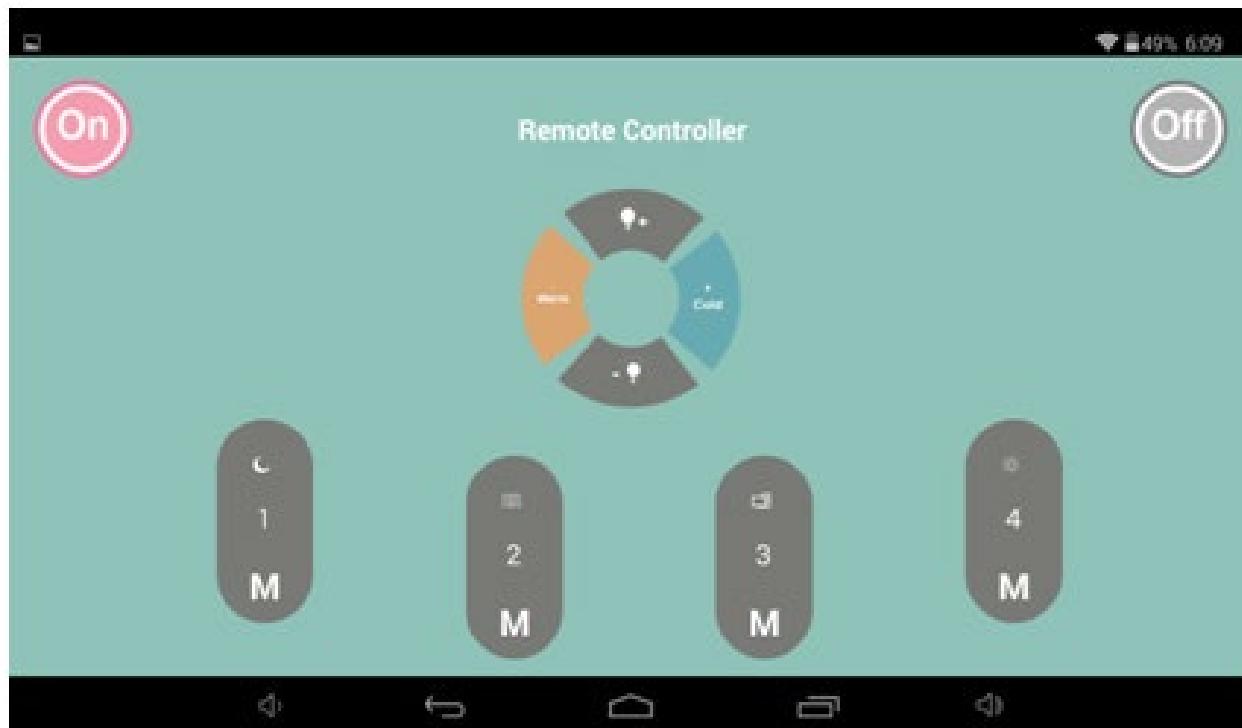
3.3 Remote Controller Mode

The “Remote Controller Mode” on the HCP APP has the same functions as the HCPRemote Control. There are four preset modes: button 1 is a Night mode, button 2 is a Reading mode, button 3 is a Working mode, and button 4 is an Energy & Productivity mode. There are also four memory modes: M1 through M4. The memory modes allow you to save your custom scenes on the same interface for later use.

To use a preset scene, click the button of the scene you wish to use.

To “memorize” a scene, first adjust the scene using the temperature and brightness buttons, the press and hold the “M” button you would like to use.

Please stay on this interface to continue using the Remote Controller Mode.





4. HCP Wi-Fi Specifications and Diagram

Caution:

PLEASE MAKE SURE THE WI-FI CONTROLLER IS INSTALLED WITHOUT ANY METAL COVERS OR BOXES AROUND IT AND NO OBSTACLE BETWEEN WI-FI CONTROLLER AND HCP FIXTURES.

Wi Fi Contoller Wiring Diagram



CR24GW Wi-Fi LED Controller Specification			
Version	V1. 1		
No.	Item	Specification	Description
Input	Input Power	DC5V/1A MicroUSB	
Wifi	Wireless standard	802.11 b/g/n20	
	Transmit Power	20dBm (max)	
	Range	up to 100m	
2.4G	Frequency	2406-2478MHz	
	Transmit Power	0dBm	
	Range	up to 10m	
Indicator	Power	Red	
	System status	Green	
	WiFi status	Yellow	
Interface	USB	MicroUSB	
	Switch	Reset	
Environment	Operationg Temperature	-20~50°C	
	Storage Temperature,	-20~80°C, 10~90%RH	
Others	Dimension	61.3L x 61.3W x 19.9Hmm	
	Weight	37g	

5. TIPS

1. If all fixtures are under one wall switch at one zone:

User can match all the fixtures under one wall switch in the same time, follow the steps of Section 2.5

2. If all fixtures are under several wall switches at one zone:

Turn off all the wall switches.

Follow the Section 2.5 to set the fixtures one by one wall switch, please keep the previous wall switches on when you match the other fixtures.

3. If some of the fixtures matched and some of fixtures un-matched:

a. If all the fixtures are controlled by one wall switch, follow Section 2.7 to clear the all the memorized setting and then synchronize the fixture by Section 2.5.

b. If all the fixtures are controlled by several wall switches, just deal with the fixtures one by one wall switch as step 3a, and keep other wall switches on.

FCC Notice

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating to conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Warning

This device complies with Part 15 of the FCC Rules. Operation to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved could void your authority to use this equipment.